



Amend B / # 10

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TECH CENTER 1600/2900

Applicant : Shuping Tong et al.
Serial No. : 09/818,066
Filed : March 27, 2001
Title : HEPADNAVIRUS PRE-S PROTEIN FRAGMENTS

Art Unit : 1642
Examiner : B. Brumback

Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO OFFICE ACTION DATED MAY 21, 2002

Please amend the application as indicated below and consider the following remarks.

In the Specification:

Replace the paragraph beginning at page 18, line 25, with the following rewritten paragraph:

B₁

-- As a control for cell surface labeling, ¹²⁵I labeling of unfractionated liver proteins was performed. Frozen duck liver tissue was homogenized in lysis buffer and dialyzed overnight in 1.8% NaCl solution. Around 100 µg protein was labeled with 1 mci of ¹²⁵I using the iodogen method (Fraker et al., Biochem. Biophys. Res. Comm. 80:849-57, 1978) Labeled proteins were recovered by chromatography through a SEPHADEX G50 column (Pharmacia). --

Replace the paragraph on page 35, line 25, to page 36, line 14, with the following rewritten paragraph:

B₂

-- Construction of duck liver cDNA libraries. RNA was extracted from frozen Pekin duck liver with guanidinium thiocyanate (RNA isolation kit, Stratagene), and mRNA purified through an oligo dT column (POLY(A)QUIK™ mRNA purification kit, Stratagene). Oligo dT primed and random primed lamda expression libraries were constructed using ZAP-cDNA

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

November 21, 2002
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